

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A fuel system for an internal combustion engine operating with a liquid fuel and comprising:

a fuel reservoir intended for the fuel; and

an additive reservoir, said additive reservoir including a chamber formed in a concave recess of a wall of the fuel reservoir.

Claim 12 (New): The fuel system according to claim 11, wherein an additive is intended to be added to the fuel, and wherein the chamber communicates with the fuel reservoir by an opening provided through the fuel reservoir.

Claim 13 (New): The fuel system according to claim 12, wherein the chamber includes a system for metering the additive from the chamber into the fuel reservoir, via the opening, the metering system including a pump and an injector passing through the opening.

Claim 14 (New): The fuel system according to claim 12, wherein the additive is added to the fuel just after the fuel reservoir has been filled, in a quantity calculated by an on-board computer or a calculator connected to a device enabling opening and closing of the fuel reservoir to be detected, and wherein the computer or calculator is configured to calculate a volume of fuel introduced during filling and of consequently metering the additive.

Claim 15 (New): The fuel system according to claim 12, wherein:
the fuel is diesel and the engine is a compression-ignition engine; and
the additive includes a composition, dissolved in a hydrocarbon solvent, of a catalyst
for low-temperature combustion of carbonaceous solid particulates produced by incomplete
combustion of diesel in the engine.

Claim 16 (New): The fuel system according to claim 11, wherein the chamber is
closed by a lid made of a same material as that of the fuel reservoir.

Claim 17 (New): The fuel system according to claim 11, further comprising a tube
for filling the additive reservoir emerging in the tube for filling the fuel reservoir.

Claim 18 (New): The fuel system according to claim 11, further comprising a tube
for degassing the additive reservoir emerging in the tube for filling the fuel reservoir.

Claim 19 (New): A method for manufacturing a fuel system according to claim 11,
wherein:

a reservoir for the fuel is manufactured, of which a wall has a recess that is concave
on its outer face;

a lid is manufactured;

the lid is hermetically attached to a peripheral edge of the concave recess, so as to
form the chamber;

an additive is introduced into the chamber before or after the lid is attached; and

the chamber is connected to a system for metering the additive before or after the additive is introduced into the chamber.

Claim 20 (New): The method according to claim 19, wherein the reservoir and the lid are made of a thermoplastic material, and wherein the reservoir is manufactured by blow-extrusion and the lid by injection.